

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. USFMCR.134C1	APPLICATION NO. Unknown <b>10/802691</b>
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Johnson, et al.	
		FILING DATE Herewith	GROUP Unknown <b>1723</b>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
<b>DND</b>	<del>10/437,202</del> <del>2004-0635782</del>	<del>06/12/03</del> <del>02/04</del>	Muller				
	<del>10/674,604</del> <del>2004-0634369</del>	<del>09/30/03</del> <del>05/04</del>	Zha, et al.				
	<del>10/676,458</del>	<del>09/30/03</del>	Cox, et al.				
	<del>10/738,628</del> <del>2004-019894</del>	<del>12/16/03</del> <del>09/04</del>	Muller, et al.				
	<del>10/759,580</del> <del>2004-0145076</del>	<del>01/15/04</del> <del>07/04</del>	Zha, et al.				
	<del>10/774,041</del> <del>2004-0217053</del>	<del>02/06/04</del> <del>11/04</del>	Zha, et al.				
	2001-0027951	10/11/01	Gungerich et al.				
	2002-0148767	10/17/02	Johnson et al.				
	2002-0153299	10/24/02	Mahendran et al.				
	2002-0195390	12/26/02	Zha et al.				
	2003-0075504	04/24/03	Zha et al.				
	2003-0089659	05/15/03	Zha et al.				
	2003-0136746	07/24/03	Behman et al.				
	2003-0141248	07/31/03	Mahendran et al.				
	2003-0164332	09/04/03	Mahendran et al.				
	2003-0178365	9/25/03	Zha et al.				
	2003-0205519	11/06/03	Zha et al.				
	2003-0226797	12/11/03	Phelps				
	2003-0234221	12/15/03	Johnson et al.				
	2004-0000520	11/1/04	Gallagher et al.				
	3,228,876	01/11/66	Mahon				
	3,693,406	09/72	Tobin				
	3,708,071	01/02/73	Richard P. Crowley				
	3,968,192	06/07/76	Hoffman et al.				
	3,992,301	11/76	Shippey et al.				
<b>DND</b>	4,188,817	02/80	Steigelmann				

EXAMINER <b>Joseph Dodge</b>	DATE CONSIDERED <b>12-15-2004</b>
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
JWD	4,192,750	03/11/80	Elfes et al.				
	4,193,780	03/80	Cotton et al.				
	4,218,324	08/19/80	Hartmann et al.				
	4,248,648	02/81	Kopp				
	4,384,474	05/83	Kowalski				
	4,385,150	05/24/83	Miyake et al.				
	4,451,369	05/29/84	Sekino et al.				
	4,511,471	04/85	Müller				
	4,540,490	09/10/85	Shibata et al.				
	4,547,289	10/85	Okano et al.				
	4,609,465	09/02/86	Miller				
	4,614,109	09/86	Hoffman				
	4,632,745	12/30/86	Giuffrida et al.				
	4,636,296	01/13/87	Kunz				
	4,642,182	02/87	Droni				
	4,647,377	03/03/87	Miura				
	4,650,596	03/17/87	Ellis				
	4,656,865	04/87	Callan				
	4,660,411	04/87	Reid				
	4,670,145	06/02/87	Edwards				
JWD	4,673,507	6/16/87	Brown				
	4,687,561	08/18/87	Kunz				
	4,688,511	08/25/87	Gerlach et al.				
	4,718,270	01/86	Storr				
	4,744,240	05/88	Reichelt				
JWD	4,756,875	07/12/88	Tajima et al.				
	4,767,539	8/88	Ford				

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	APPLICANT Johnson, et al.	
	FILING DATE Herewith	GROUP Unknown <u>1723</u>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<u>PWD</u>		4,779,448	10/88	Gogins			
		4,784,771	11/88	Wathen et al.			
		4,793,932	12/88	Ford et al.			
		4,797,211	01/89	Ehrfeld et al.			
		4,810,384	03/07/89	Fabre			
		4,812,235	03/14/89	Seleman et al.			
		4,816,160	03/89	Ford et al.			
		4,846,970	07/89	Bertelsen et al.			
		4,876,006	10/24/89	Ohkubo et al.			
		4,876,012	10/24/89	Kopp et al.			
		4,921,610	05/01/90	Ford et al.			
		4,931,186	06/05/90	Ford et al.			
		4,935,143	06/90	Kopp et al.			
		4,999,038	03/91	Lundberg			
		5,005,430	04/91	Kibler et al.			
		5,024,762	06/18/91	Ford et al.			
		5,066,375	11/19/91	Parsi et al.			
		5,066,401	11/19/91	Muller et al.			
		5,066,402	11/91	Anselme et al.			
		5,069,065	12/91	Sprunt et al.			
		5,076,925	12/31/91	Roesink et al.			
		5,079,272	01/07/92	Allegrezza, et al.			
		5,094,750	03/10/92	Kopp et al.			
		5,104,535	04/14/92	Cote et al.			
		5,104,546	04/92	Filson et al.			
<u>PWD</u>		5,137,631	08/11/92	Eckman, et al.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Johnson, et al.	
		FILING DATE Herewith	GROUP <u>Unknown</u> <b>1723</b>

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<b>JWD</b>		5,138,870	08/92	Lyssy			
		5,151,191	09/29/92	Sunaoka et al.			
		5,151,193	09/29/92	Grobe et al.			
		5,158,721	10/27/92	Allegrezza, et al.			
		5,182,019	01/26/93	Cote et al.			
		5,192,456	03/93	Ishida et al.			
		5,194,149	03/16/93	Selbie et al.			
		5,198,116	03/93	Comstock et al.			
		5,209,852	05/11/93	Sunaoka, et al.			
		5,211,823	05/18/93	Giuffrida et al.			
		5,221,478	06/22/93	Dhingra et al.			
		5,227,063	07/13/93	Langerak, et al.			
		5,248,424	09/08/93	Cote et al.			
		5,297,420	03/94	Gilliland et al.			
		5,320,760	06/14/94	Freund et al.			
		5,353,630	10/94	Soda et al.			
		5,361,625	11/94	Ylvisaker			
		5,364,527	11/15/94	Zimmerman et al.			
		5,389,260	02/95	Hemp			
		5,393,433	02/28/95	Espenan et al.			
		5,401,401	03/95	Hickok			
		5,403,479	04/04/95	Smith et al.			
		5,405,528	04/11/95	Selbie et al.			
		5,417,101	05/23/95	Weich			
		5,419,816	05/95	Sampson et al.			
		5,470,469	11/28/95	Eckman			
		5,477,731	12/26/95	Mouton			

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	APPLICANT Johnson, et al.	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>JWD</i>		5,480,553	01/02/96	Yamamori et al.			
		5,531,848	07/02/96	Brinda et al.			
		5,531,900	07/02/96	Raghaven et al.			
		5,543,002	08/06/96	Brinda et al.			
		5,554,283	09/10/96	Brinda et al.			
		5,607,593	03/04/97	Cote et al.			
		5,639,373	06/17/97	Mahendran et al.			
		5,639,373	06/17/97	Mahendran et al.			
		5,643,455	07/01/97	Kopp et al.			
		5,783,083	07/21/98	Henshaw et al.			
		5,910,250	06/08/99	Mahendran et al.			
		5,914,039	06/22/99	Mahendran			
		5,918,264	06/29/99	Drummond et al.			
		5,942,113	08/24/99	Morimura			
		5,944,997	08/31/99	Pedersen et al.			
		6,024,872	02/15/00	Mahendran			
		6,039,872	03/21/00	Wu et al.			
		6,042,677	03/28/00	Mahendran et al.			
		6,048,454	04/00	Jenkins			
		6,077,435	6/20/00	Beck et al.			
		6,083,393	07/07/00	Wu et al.			
		6,146,747	11/14/00	Wang et al.			
		6,156,200	12/5/00	Zha et al.			
		6,159,373	12/00	Beck et al.			
		6,193,890	02/27/01	Pederson et al.			
		6,202,475	03/20/01	Selbie et al.			
<i>JWD</i>		6,245,239	06/12/01	Cote et al.			

EXAMINER <i>Joseph D. Kelly</i>	DATE CONSIDERED <i>12-15-2004</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
JWD		6,254,773	07/03/01	Biltoft			
		6,294,039	09/25/02	Mahendran et al.			
		6,303,035	10/16/01	Cote et al.			
		6,354,444	03/12/02	Mahendran			
		6,440,303	08/02	Spriegel			
		6,524,481	2/25/03	Zha et al.			
		6,550,747	04/22/03	Rabie et al.			
		6,555,005	04/03	Zha et al.			
		6,620,319	09/16/03	Behmann et al.			
		6,641,733	11/04/03	Zha et al.			
		6,645,374	11/11/03	Cote et al.			
		D396,046	07/98	Scheel et al.			
		D396,726	08/98	Sadr et al.			
		D400,890	11/98	Gambardella			
		D462,699	09/10/02	Johnson et al.			
		D478,913	08/26/03	Johnson, et al.			
		D763,612	08/88	Iwanami			
		H1,045	05/92	Wilson			
JWD		RE37,549	02/19/02	Mahendran et al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JWD		DE 4 117 422	11/12/92	Germany (English language abstract)	—	—		X
JWD		EP 920 904 A2	12/12/00	EPO	—	—		X
JWD		EP 0 463 627 B1	05/10/95	EPO	—	—		X
JWD		EP 0 763 758 A1	10/02/96	EPO	—	—		X

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>JWD</i>		EP 1 052 012 A1	11/15/00	EPO				
		EP 1 350 555 A1	10/08/03	EPO				
		FR 2 674 448 A1	02/10/92	France (English language abstract)				X
		GB 2 253 572 A	09/16/92	United Kingdom				
		JP 01-307409	12/89	Japan (abstract only)				X
		JP 02-164423	06/25/90	Japan (abstract only)				X
		JP 02-284035	11/21/90	Japan (abstract only)				X
		JP 03-018373	01/25/91	Japan (abstract only)				X
		JP 03-028797	02/06/91	Japan (abstract only)				X
		JP 04-310223	11/02/92	Japan (abstract only)				X
		JP 05-023557	02/02/93	Japan (abstract only)				X
		JP 05-157654	06/93	Japan (abstract only)				X
		JP 06-071120	03/15/94	Japan (abstract only)				X
		JP 06-114240	04/26/94	Japan (abstract only)				X
		JP 07-000770	01/06/95	Japan (abstract only)				X
		JP 07-275665	10/24/95	Japan (abstract only)				X
		JP 08-010585	01/16/96	Japan (abstract only)				X
		JP 09-141063	06/06/97	Japan (abstract only)				X
		JP 10-156149	06/16/98	Japan (abstract only)				X
		JP 31-010445	05/10/91	Japan (abstract only)				X
		JP 58-088007	05/26/83	Japan (abstract only)				X
		JP 61-097006	05/15/86	Japan (abstract only)				X
		JP 61-107905	05/26/86	Japan (abstract only)				X
		JP 61-192309	08/26/86	Japan (translation only)			X	
		JP 61-257203	11/14/86	Japan (abstract only)				X
<i>JWD</i>		JP 61-263605	11/21/86	Japan (abstract only)				X

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							YES	NO
JWD		JP 62-004408	01/10/87	Japan (abstract only)				X
		JP 62-114609	05/26/87	Japan (abstract only)				X
		JP 62-140607	06/24/87	Japan (abstract only)				X
		JP 62-179540	08/06/87	Japan (abstract only)				X
		JP 63-097634	04/28/88	Japan (abstract only)				X
		JP 63-180254	02/01/90	Japan (abstract only)				X
		JP 63-143905	06/16/88	Japan (abstract only)				
		JP 06-343837	12/20/94	Japan (abstract only)				
		JP 07-185268	07/25/95	Japan (abstract only)				
		WO 90/00434	01/25/90	PCT (WIP0)				
		WO 93/02779	02/18/93	PCT (WIP0)				
		WO 96/41676	12/27/96	PCT (WIP0)				
		WO 96/07470	03/14/96	PCT (WIP0)				
		WO 98/22204	05/28/98	PCT (WIP0)				
JWD		WO 01/36075	05/25/01	PCT (WIP0)				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
JWD	Derwent Abstract Accession No. 2001-142268/15, Class A88, J01 JP, A1, 2000342932 (Mitsubishi Rayon Co. Ltd.), December 12, 2000.
JWD	International Search Report in Corresponding PCT Application No. PCT/AU02/01272.
JWD	Almulla et al., Desalination 153 (2002) 237-243.
JWD	Rosenberger et al., Desalination 151 (2002) 195-200.

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